

Appl. No. 10/751,0909

Amdt. Dated 9/21/2005

Response to Office action dated 08/09/2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): An environmentally resistant lamp system comprising:

a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

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an outer surface shielding the electrical contact of the socket and the electrical contact of the base

wherein the second section comprises

an opening adapted to receive a socket of an electric discharge lamp fixture

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket.

Claim 2 (Previously presented): The environmentally resistant lamp system of claim 1, wherein the power supply is mounted to the housing.

Claim 3 (Previously presented): The environmentally resistant lamp system of claim 1, wherein the power supply is mounted inside the base.

Claim 4 (Previously presented): The environmentally resistant lamp system of claim 1, wherein the electric discharge lamp is a germicidal lamp.

Claim 5 (Canceled):

Claim 6 (Currently amended): The An environmentally resistant lamp system of claim 1, comprising:
a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

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whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

an outer surface shielding the electrical contact of the socket and the electrical contact of the base

wherein the first section at least partially abuts the base and the second section at least partially abuts the socket.

Claim 7 (Currently amended): The An environmentally resistant lamp system of claim 1, comprising:

a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

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a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

an outer surface shielding the electrical contact of the socket and the electrical contact of the base

wherein the first section at least partially interlocks with the base and the second section at least partially interlocks with the socket.

Claim 8 (Currently amended): The An environmentally resistant lamp system of claim 1, comprising:

a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

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a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

an outer surface shielding the electrical contact of the socket and the electrical contact of the base

wherein the first section at least partially seals to the base and the second section at least partially seals to the socket.

Claim 9 (Currently amended): The An environmentally resistant lamp system of claim 1, comprising:

a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

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an outer surface shielding the electrical contact of the socket and the electrical contact of the base

wherein the first section at least partially interlocks with the base and the second section at least partially interlocks with the flange.

Claim 10 (Currently amended): ~~The~~ An environmentally resistant lamp system of claim 1,
comprising:

a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

an outer surface shielding the electrical contact of the socket and the electrical contact of the base

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wherein the first section at least partially seals to the base and the second section at least partially seals the flange.

Claim 11 (Previously presented): The environmentally resistant lamp system of claim 1, wherein the liquid is water.

Claim 12 (Currently amended): The An environmentally resistant lamp system of claim 1, comprising:

a fixture comprising

a housing providing mechanical support

a socket attached to the housing comprising an electrical contact electrically connected to a power supply,

a lamp comprising

a single-walled envelope

a base attached to the envelope

a vaporizable material sealed within the envelope

at least one electrode disposed within the envelope

an electrical contact attached to the base, electrically connected to the electrode

whereby the lamp is mechanically supported by the socket and the electrical contact of the lamp electrically connects to the electrical contact of the socket,

a cover comprising

a material resistant to at least one of dripping liquid, light splashing of liquid, and condensation

a first section at least partially surrounding the base

a second section at least partially surrounding the socket

an inner surface at least partially surrounding the electrical contact of the socket and the electrical contact of the base

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an outer surface shielding the electrical contact of the socket and the electrical contact of the base

wherein the power supply is mounted to the housing, the first section at least partially abuts the base, the second section at least partially abuts the socket, the liquid is water, and the tube emits ultraviolet light.

Claim 13 (Previously presented): An environmentally resistant cover for a germicidal system comprising:

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

a first section comprising

an opening adapted to receive a base of an electric discharge lamp

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the base when the first section receives the base

a second section comprising

an opening adapted to receive a socket of an electric discharge lamp fixture

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket

wherein the cover is adapted to, when the cover receives the base and the socket, shield and at least partially enclose both an electrical contact of the base and an electrical contact of the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation.

Claim 14 (Currently amended): ~~The~~ An environmentally resistant cover for a germicidal system of ~~claim 13~~, comprising:

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

a first section comprising

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an opening adapted to receive a base of an electric discharge lamp
an inner surface adapted dimensionally to encompass and be at least slightly larger
than an outer cross section of the base when the first section receives the base
a second section comprising
an opening adapted to receive a socket of an electric discharge lamp fixture
an inner surface adapted dimensionally to encompass and be at least slightly larger
than an outer cross section of the socket when the second section receives the socket
wherein the cover is adapted to, when the cover receives the base and the socket,
shield and at least partially enclose both an electrical contact of the base and an electrical contact of
the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and
condensation
wherein a cross section of the inner surface of the first section is further adapted to fit with an
outer cross section of the base, and a cross section of the inner surface of the second section is further
adapted to fit with at least part of an outer cross section of the socket.

Claim 15 (Currently amended): The An environmentally resistant cover for a germicidal system of
claim 13, comprising:

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying
of liquid and condensation
a first section comprising
an opening adapted to receive a base of an electric discharge lamp
an inner surface adapted dimensionally to encompass and be at least slightly larger
than an outer cross section of the base when the first section receives the base
a second section comprising
an opening adapted to receive a socket of an electric discharge lamp fixture
an inner surface adapted dimensionally to encompass and be at least slightly larger
than an outer cross section of the socket when the second section receives the socket

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wherein the cover is adapted to, when the cover receives the base and the socket, shield and at least partially enclose both an electrical contact of the base and an electrical contact of the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

wherein a cross section of the inner surface of the first section is further adapted to interlock with an outer cross section of the base, and a cross section of the inner surface of the second section is further adapted to interlock with at least part of an outer cross section of the socket.

Claim 16 (Currently amended): ~~The~~ An environmentally resistant cover for a germicidal system of ~~claim 13, comprising:~~

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

a first section comprising

an opening adapted to receive a base of an electric discharge lamp

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the base when the first section receives the base

a second section comprising

an opening adapted to receive a socket of an electric discharge lamp fixture

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket

wherein the cover is adapted to, when the cover receives the base and the socket, shield and at least partially enclose both an electrical contact of the base and an electrical contact of the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

wherein a cross section of the inner surface of the first section is further adapted to seal to an outer cross section of the base, and a cross section of the inner surface of the second section is further adapted to seal to at least part of an outer cross section of the socket.

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Claim 17 (Currently amended): The An environmentally resistant cover for a germicidal system of claim 13, comprising:

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

a first section comprising

an opening adapted to receive a base of an electric discharge lamp

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the base when the first section receives the base

a second section comprising

an opening adapted to receive a socket of an electric discharge lamp fixture

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket

wherein the cover is adapted to, when the cover receives the base and the socket, shield and at least partially enclose both an electrical contact of the base and an electrical contact of the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

wherein a cross section of the inner surface of the first section is further adapted to interlock with an outer cross section of the base, and a cross section of the opening of the second section is further adapted to interlock with a surface of a housing of the fixture.

Claim 18 (Currently amended): The An environmentally resistant cover for a germicidal system of claim 13, comprising:

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

a first section comprising

an opening adapted to receive a base of an electric discharge lamp

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the base when the first section receives the base

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a second section comprising

an opening adapted to receive a socket of an electric discharge lamp fixture

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket

wherein the cover is adapted to, when the cover receives the base and the socket, shield and at least partially enclose both an electrical contact of the base and an electrical contact of the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

wherein a cross section of the inner surface of the first section is further adapted to seal to an outer cross section of the base, and a cross section of the opening of the second section is further adapted to seal to a surface of the housing of the fixture.

Claim 19 (Previously presented): The environmentally resistant cover for a germicidal system of claim 13, wherein the liquid is water.

Claim 20 (Previously presented): The environmentally resistant cover for a germicidal system of claim 13, wherein the electric discharge lamp is a germicidal lamp.

Claim 21 (Currently amended): The An environmentally resistant cover for a germicidal system of ~~claim 13~~, comprising:

a material resistant to at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

a first section comprising

an opening adapted to receive a base of an electric discharge lamp

an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the base when the first section receives the base

a second section comprising

an opening adapted to receive a socket of an electric discharge lamp fixture

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an inner surface adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket

wherein the cover is adapted to, when the cover receives the base and the socket, shield and at least partially enclose both an electrical contact of the base and an electrical contact of the socket from at least one of dripping liquid, light splashing of liquid, light spraying of liquid and condensation

wherein a cross section of the inner surface of the first section is adapted to at least partially interlock with an outer cross section of the base, a cross section of the inner surface of the second section is adapted to at least partially interlock with a surface of the housing of the fixture, the liquid is a mixture of water and oil, and the lamp is a germicidal lamp.

Claim 22 (Previously presented): The environmentally resistant cover for a germicidal system of claim 13, wherein the liquid is a mixture of water and oil, and the electric discharge lamp is a germicidal lamp, the inner surface of the opening of the second section is further adapted dimensionally to encompass and be at least slightly larger than an outer cross section of the socket when the second section receives the socket, wherein the socket is selected from the group consisting of a bi-pin, a single pin, a R17d, a medium bi-pin, a four pin, a 2Gx13, a recessed double contact, a G-23, and a 2G-11.

Claim 23 (Currently amended): A process for providing environmental resistance to a germicidal system comprising

passing a base of an electric discharge lamp through an opening of a first section of a cover
positioning a the first section of a the cover at least partially around a the base of an electric discharge lamp,

passing a socket of a fixture through an opening of a second section of the cover
positioning a the second section of the cover at least partially around a the socket of a fixture,
positioning an electrical contact of the base in electrical contact with an electrical contact of the socket,

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whereby the cover shields both the electrical contact of the base and the electrical contact of the socket from at least one of dripping liquid, light splashing liquid, and condensation.

Claim 24 (Previously presented): The process for providing environmental resistance to a germicidal system of claim 23, further comprising positioning the base to engage the socket for mechanical support.

Claim 25 (Previously presented): The process for providing environmental resistance to a germicidal system of claim 23, wherein the cover at least partially surrounds the base and the cover at least partially surrounds the socket.

Claim 26 (Currently amended): The A process for providing environmental resistance to a germicidal system ~~of claim 23~~, comprising:

positioning a first section of a cover at least partially around a base of an electric discharge lamp,

* positioning a second section of the cover at least partially around a socket of a fixture,

positioning an electrical contact of the base in electrical contact with an electrical contact of the socket,

whereby the cover shields both the electrical contact of the base and the electrical contact of the socket from at least one of dripping liquid, light splashing liquid, and condensation

wherein the cover at least partially abuts the base and the cover at least partially abuts the socket.

Claim 27 (Currently amended): The A process for providing environmental resistance to a germicidal system ~~of claim 23~~, comprising:

positioning a first section of a cover at least partially around a base of an electric discharge lamp,

positioning a second section of the cover at least partially around a socket of a fixture,

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positioning an electrical contact of the base in electrical contact with an electrical contact of the socket,

whereby the cover shields both the electrical contact of the base and the electrical contact of the socket from at least one of dripping liquid, light splashing liquid, and condensation

wherein the cover at least partially interlocks with the base and the cover at least partially interlocks with the socket.

Claim 28 (Currently amended): ~~The A~~ process for providing environmental resistance to a germicidal system of ~~claim 23~~, comprising:

positioning a first section of a cover at least partially around a base of an electric discharge lamp,

positioning a second section of the cover at least partially around a socket of a fixture,

positioning an electrical contact of the base in electrical contact with an electrical contact of the socket,

whereby the cover shields both the electrical contact of the base and the electrical contact of the socket from at least one of dripping liquid, light splashing liquid, and condensation

wherein the cover at least partially seals to the base and the cover at least partially seals to the socket.

Claim 29 (Currently amended): ~~The A~~ process for providing environmental resistance to a germicidal system of ~~claim 23~~, further comprising:

positioning a first section of a cover at least partially around a base of an electric discharge lamp,

positioning a second section of the cover at least partially around a socket of a fixture,

positioning an electrical contact of the base in electrical contact with an electrical contact of the socket,

whereby the cover shields both the electrical contact of the base and the electrical contact of the socket from at least one of dripping liquid, light splashing liquid, and condensation

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positioning the base to engage a lamp holder, attached to the fixture, for mechanical support,
wherein the cover at least partially abuts the base, the cover at least partially abuts the socket.

Claim 30 (Currently amended): ~~The A~~ process for providing environmental resistance to a germicidal system of ~~claim 23~~, further comprising:

positioning a first section of a cover at least partially around a base of an electric discharge lamp,

positioning a second section of the cover at least partially around a socket of a fixture,

positioning an electrical contact of the base in electrical contact with an electrical contact of the socket,

whereby the cover shields both the electrical contact of the base and the electrical contact of the socket from at least one of dripping liquid, light splashing liquid, and condensation

positioning the base to engage a lamp holder, attached to the fixture, for mechanical support,
wherein the cover at least partially abuts the base, the cover at least partially abuts the socket,
the electric discharge lamp is an germicidal lamp.